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PATENT

Attorney Docket No. 60020240-0022

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:) Group Art Unit: NYA
)
Robert Steven Puskas) Examiner: NYA
)
Application No. 10/718,194)
)
Filed: November 19, 2003)
)
For: PREPARATION OF DEFINED)
HIGHLY LABELED PROBES)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
WITHIN THREE MONTHS OF FILING OR
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. section 1.97(b))**

The Information Disclosure Statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. section 1.97(b).

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Transmittal of Information Disclosure Statement
Page 2

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Respectfully submitted,

Dated: 6/22, 2004

By: Kevin W. Buckley
Kevin W. Buckley
Registration No. 45,901
(314) 259.5817
Customer No.: 26263



APPLICATION DATA SHEET

Application Information

Application Type:: Non-Provisional
Subject Matter:: Utility
Title:: **PREPARATION OF DEFINED HIGHLY
LABELED PROBES**
Attorney Docket Number:: 60020240-0022
Request for Early Publication?: No
Request for Non-Publication?: No
Small Entity?: Yes

Applicant Information

Applicant Authority Type: Inventor
Primary Citizenship Country: US
Status: Full Capacity
Given Name: Robert
Middle Name: Steven
Family Name: Puskas
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State or Province of Residence: MO
Country of Residence: US
Street of Mailing Address: 752 Sherwick Terrace
City of Mailing Address: Manchester
Postal Code of Mailing Address: 63021

Correspondence Information

Correspondence Customer Number: 26263

Domestic Priority Information

Application:	Continuity Type:	Parent Application:	Parent Filing Date:
This application claims priority from	Provisional applications	60/427,232, 60/427,233 60/427,234	November 19, 2002 November 19, 2002 November 19, 2002

Assignee Information

Assignee Name: Singulex, Inc.



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PTO/SB/08A (08-00)

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		Application Number	10/718,194		
		Filing Date	November 19, 2003		
		First Named Inventor	Robert S. Puskas		
		Group Art Unit	NYA		
		Examiner Name	NYA		
Sheet	1	of	2	Attorney Docket Number	60020240-0022

U.S. PATENT DOCUMENTS						
Examiner Initials*	CiteNo. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1.	2002/0182602	A1	Woo et al.	12-05-2002	
	2.	2003/0088056		Barron	05-08-2003	
	3.	2003/0143591	A1	Davies et al.	07-31-2003	
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	18.	5,795,763		Dahlberg, et al.	08-18-1998	
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	20.	5,843,669		Kaiser, et al.	12-01-1998	
	21.	5,846,717		Brow, et al.	12-08-1998	
	22.	5,853,989		Jeffreys, et al.	12-29-1998	
	23.	5,919,623		Taylor	07-06-1999	

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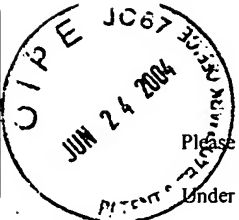
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	24.	5,945,580		Dunsmuir et al.	08-31-1999	
	25.	5,949,532		Schrof, et al.	09-07-1999	
	26.	5,958,692		Cotton, R. et al.	09-28-1999	
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	33.	6,355,420		Chan	03-12-2002	
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	35.	6,613,508	B1	Ness et al.	09-02-2003	
	36.	6,614,402		Dahlberg, et al.	09-02-2003	

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OTHER ITEMS – NON PATENT LITERATURE DOCUMENTS			
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	1.	"Image motion, tracking and registration," CMIS Research - Image Analysis, CSIRO Australia website: www.cmis.csiro.au/IAP/Motion.	
	2.	AGRAWAL, Protocols for Polynucleotides and Analogs, Humana Press (1994), Vol. 20, Totowa, NJ.	
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	4.	AMBROSE et al., "Application of single molecule detection to DNA sequencing and sizing," Ber Bunsenges Phys Chem, 1993, 97:1535-1542.	
	5.	BARANY, "Genetic disease detection and DNA amplification using cloned thermostable ligase," Proc. Natl. Acad. Sci. USA, 1991, 88:189-193.	
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				First Named Inventor	Robert S. Puskas
				Group Art Unit	NYA
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Sheet	2	of	9	Attorney Docket Number	60020240-0022

OTHER ITEMS – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	CiteNo. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	11.	CASTRO and SHERA, "Single-molecule detection: applications to ultrasensitive biochemical analysis," Appl Opt., 1995, 34(18):3218-3222.	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/718,194
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				Group Art Unit	NYA
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(use as many sheets as necessary)				Attorney Docket Number	60020240-0022
Sheet	3	of	9		

OTHER ITEMS – NON PATENT LITERATURE DOCUMENTS			
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	20.	DODGSON, J.B. and WELLS, R.D., "Action of single-stranded specific nucleases on model DNA heteroduplexes of defined size and sequence," Biochemistry, 1977, 16:2374-2379.	
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	29.	GLAAB et al., "A novel assay for allelic discrimination that combines the fluorogenic 5' nuclease polymerase chain (TaqMan.RTM.) and mismatch amplification mutation assay," Mutat. Res., 1999, 430:1-12.		
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	37.	HUNG et al., "Optimization of spectroscopic and electrophoretic properties of energy transfer primers," Anal. Biochem., 1997, 252:77-88.		

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	38.	JETT et al., "High-speed DNA sequencing: an approach based upon fluorescence detection of single molecules," J Biomol Struct Dyn, 1989, 7(2):301-309.	
	39.	JOHNSON et al., "Sizing of DNA fragments by flow cytometry," Proc SPIE, 1993, 1895:69-78.	
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	44.	LANDEGREN et al., "A ligase mediated gene detection technique," Science, 1988, 241:1077-1080.	
	45.	LARSEN et al., "Rapid DNA fingerprinting of pathogens by flow cytometry," Cytometry, 2000, 41:203-208.	
	46.	LeCAPTAIN et al., "Characterization of DNA-protein complexes by capillary electrophoresis-single molecule fluorescence correlation spectroscopy," Analyst, 2001, 126(8):1279-1284.	

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				Filing Date	November 19, 2003
				First Named Inventor	Robert S. Puskas
				Group Art Unit	NYA
				Examiner Name	NYA
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Sheet	7	of	9		

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	57.	ROBERTS et al., "Potassium permanganate and tetraethylammonium chloride are safe and effective substitute for osmium tetroxide in solid phase fluorescent chemical cleavage mismatch," Nucleic Acids. Res., 1997, 25:3377-3378.	
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	75.	WILTON et al., "Snapback SSCP analysis: engineered conformation changes for the rapid typing of known mutations," Hum. Mutat., 1998, 11(3):252-258.	
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